

Important Information

HP StorageWorks Interface Manager

Interface Controller Configuration Settings

Product Version: 1.3

First Edition (June 2004)

Part Number: 368007-001

This document explains important configuration settings that must be made by HP StorageWorks ESL9000-Series library or ESL E-Series library users who:

- currently have Interface Controllers in their library, but are installing an Interface Manager card for the first time.
- are installing a previously used Interface Controllers (ICs) into a library.
- are replacing an Interface Manager card.

© Copyright 2004 Hewlett-Packard Development Company, L.P.

Java™ is a US trademark of Sun Microsystems, Inc.



Overview of required configuration changes

Certain prerequisites must be met when introducing a new or previously used Interface Manager card or Interface Controller card into an existing ESL9000-Series library configuration. The same is true when replacing the memory module of an Interface Manager card or inserting an Interface Controller card in an ESL E-Series Library. These prerequisites may include any or all of the following:

- [Updating firmware](#)
- [Resetting Interface Controllers to default settings](#)
- [Enabling DHCP mode](#)

Updating firmware

To ensure interoperability between the Interface Manager card and other devices, make sure that the Interface Manager has firmware version I130 or higher. Make sure that all other devices have at least the following minimum firmware levels:

Table 1: Minimum required firmware and software revision levels

Component	Firmware/software level
e1200-160	5.4.25
e2400	5.4.25
e2400-160	5.4.25
e2400-FC 2G	5.4.25
ESL 9595/9322	3.48
ESL 9198/9326	3.48
ESL-E 286/322/712/630	1.10
Java™ Run Time	1.4.2 or higher
Command View ESL	1.3.00

For detailed instructions on how to upgrade firmware, refer to the *HP StorageWorks Interface Manager and Command View ESL User Guide* or to the user guide provided with the respective device. The appropriate firmware can be downloaded from the following location:

<http://www.hp.com/support/cvesl>

Resetting Interface Controllers to default settings

If you are installing an Interface Manager card into an existing library configuration for the first time, or if you are installing a previously used Interface Controller into a library that already has an Interface Manager card, you must restore the default factory configuration settings of the Interface Controller(s) to enable the cards to function properly with the Interface Manager card.

To reset the Interface Controller to its default settings, complete the following steps before before connecting any Ethernet cables between the Interface Manager card and the Interface Controller(s):



Caution: The following procedure will overwrite any existing configuration settings and cause any currently running backups to fail.

Note: Restoring the default settings using the serial interface enables DHCP mode. DHCP mode must be set manually if default settings are restored using the web interface.

1. Log in to the Interface Controller using a serial connection.
 - For an e1200-160 Interface Controller, connect the RJ-11 to DB9 cable from the Interface Controller to the serial port on your computer.
 - For an e2400-160 Interface Controller or e2400-FC 2G Interface controller, connect the 3 pin to DB9 cable from the Interface Controller to the serial port on your computer.
2. Start a terminal program and connect using the following settings:
 - 115,200 bits per second
 - 8 data bits
 - No parity
 - 1 stop bit
 - Xon/Xoff flow control
3. Press **Enter** twice to start the connection.
4. Enter **1—Perform Configuration**.
5. Enter **C—Reset to Factory Defaults**.
6. Press **y** to continue when prompted.
7. Reboot the Interface Controller.
 - a. From the main menu, press **4—Reboot**.
 - b. Press **y** to continue when prompted.
8. Repeat steps 1 through 7 for all remaining Interface Controllers.
9. If installing an Interface Manager card into the library card cage, power off the library and complete the hardware installation procedures, otherwise, simply power off the library.
10. Connect the ethernet cables between the Interface Controllers and the Interface Manager card.
11. If the library has been powered off, power on the entire library.

Enabling DHCP mode

To ensure that the Interface Manager card can properly discover the connected Interface Controllers, make sure that all Interface Controllers have DHCP mode enabled. If the Interface Manager card is installed in an ESL E-Series library, DHCP mode must also be enabled on the Interface Manager card (this is not a requirement if the Interface Manager card is installed in an ESL9000-Series library).

Enabling DHCP mode on the Interface Manager card

To enable DHCP mode on the Interface Manager card:

1. Start a CLI session with the Interface Manager card. Refer to the “Accessing the CLI” section in chapter 3, Command Line Interface, of the *HP StorageWorks Interface Manager and Command View ESL User Guide* for detailed instructions on how to start a CLI session.
2. Enter the following command:
`set network dhcp`
3. Log off the CLI session.

Enabling DHCP mode on the Interface Controller cards

When you restore the default factory settings of the Interface Controller card using the serial interface, DHCP mode is automatically enabled. To restore the default factory settings, refer to the “[Resetting Interface Controllers to default settings](#)” section of this document. The default setting of DHCP mode is **on**. If using the web interface, DHCP mode must be enabled manually. Refer to the Interface Controller user guide for more information.